

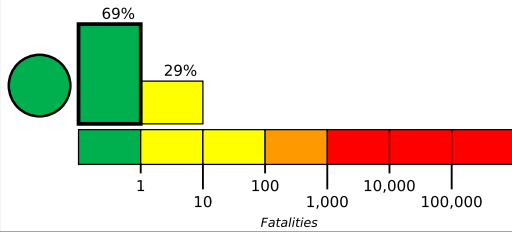
M 5.4, 6km S of Tallaboa, Puerto Rico

Origin Time: 2020-05-02 11:13:18 UTC (Sat 07:13:18 local)

Location: 17.9348° N 66.7091° W Depth: 6.0 km

Created: 3 hours, 20 minutes after earthquake

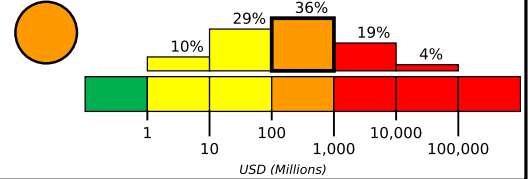
Estimated Fatalities



Orange alert for economic losses. Significant damage is likely and the disaster is potentially widespread. Estimated economic losses are less than 1% of GDP of Puerto Rico. Past events with this alert level have required a regional or national level response.

Green alert for shaking-related fatalities. There is a low likelihood of casualties.

Estimated Economic Losses

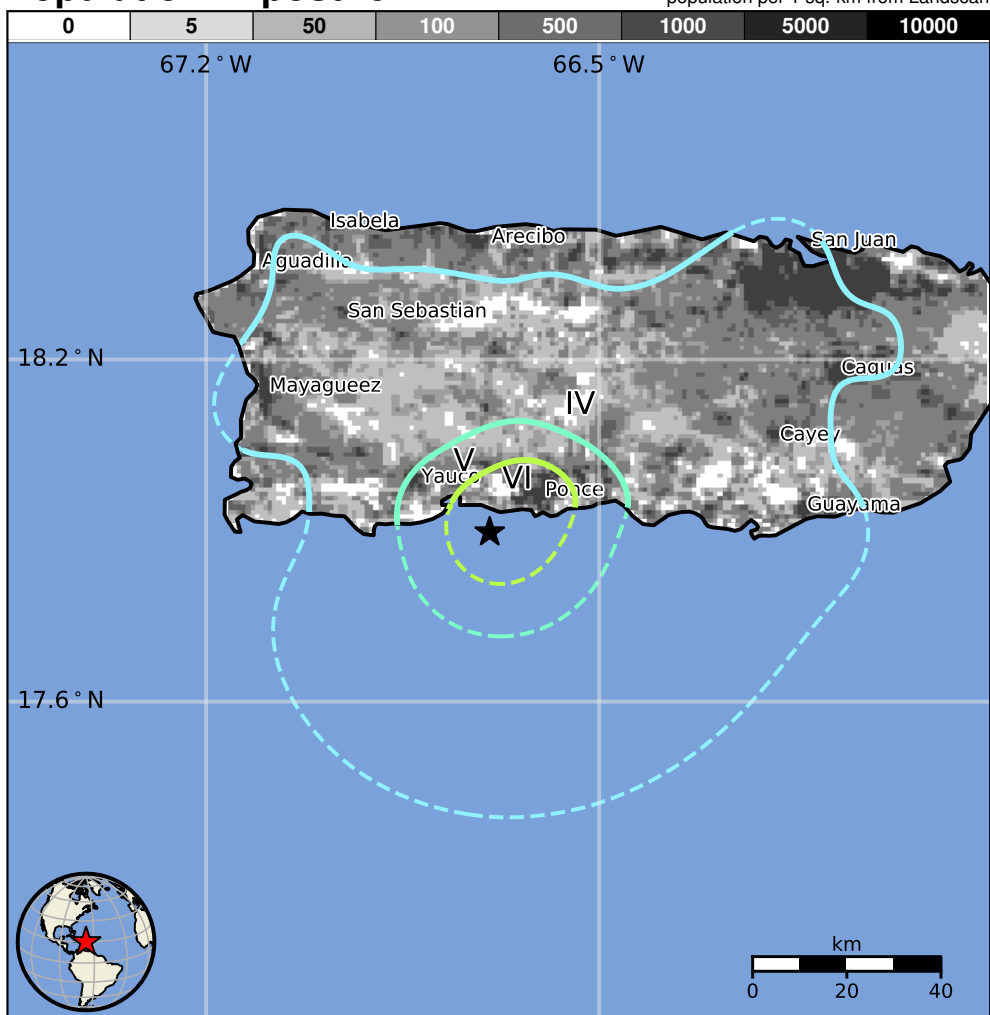


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	1,030k*	1,925k	113k	81k	52k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are mud wall and informal (metal, timber, GI etc.) construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1979-03-23	250	6.6	VI(605k)	0
1980-11-12	348	5.9	VII(87k)	—
1984-06-24	281	6.7	VII(326k)	5

Selected City Exposure

from GeoNames.org

MMI	City	Population
VII	Ponce	153k
VI	Tallaboa	1k
VI	Tallaboa Alta	2k
V	Capitanejo	3k
V	Penuelas	7k
V	Magas Arriba	1k
IV	Guaynabo	81k
IV	Bayamon	203k
IV	San Juan	418k
IV	Caguas	87k
III	Carolina	170k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/pr2020123010#pager>

bold cities appear on map.

(k = x1000)

Event ID: pr2020123010